

## ABSTRACT OF THE DISCLOSURE

When applying sustain pulses to each discharge cell in a gas discharge panel, a pulse of the opposite polarity is briefly applied immediately before the leading edge of each sustain pulse. Or, the absolute voltage of each sustain pulse is set higher during a certain period from the leading edge of the sustain pulse than during a period from the lapse of the certain period to the trailing edge of the sustain pulse, and a pulse of the opposite polarity is briefly applied immediately after the trailing edge of the sustain pulse. As a result, discharge delays during a discharge sustain period are suppressed to improve image quality, and reactive currents are reduced to improve luminous efficiency.

UNITED STATES PATENT AND TRADEMARK OFFICE  
DOCUMENT CLASSIFICATION BARCODE SHEET



# Drawings

7

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## **DRAWINGS ( 23 SHEETS)**

Inventor(s): Akira Shiokawa et al.

Title: PANEL DISPLAY APPARATUS AND METHOD FOR  
DRIVING A GAS DISCHARGE PANEL

Attorney's  
Docket No.: NAK1-BO21

**EXPRESS MAIL LABEL NO. EL852660535US**

**DATE OF DEPOSIT: March 13, 2001**

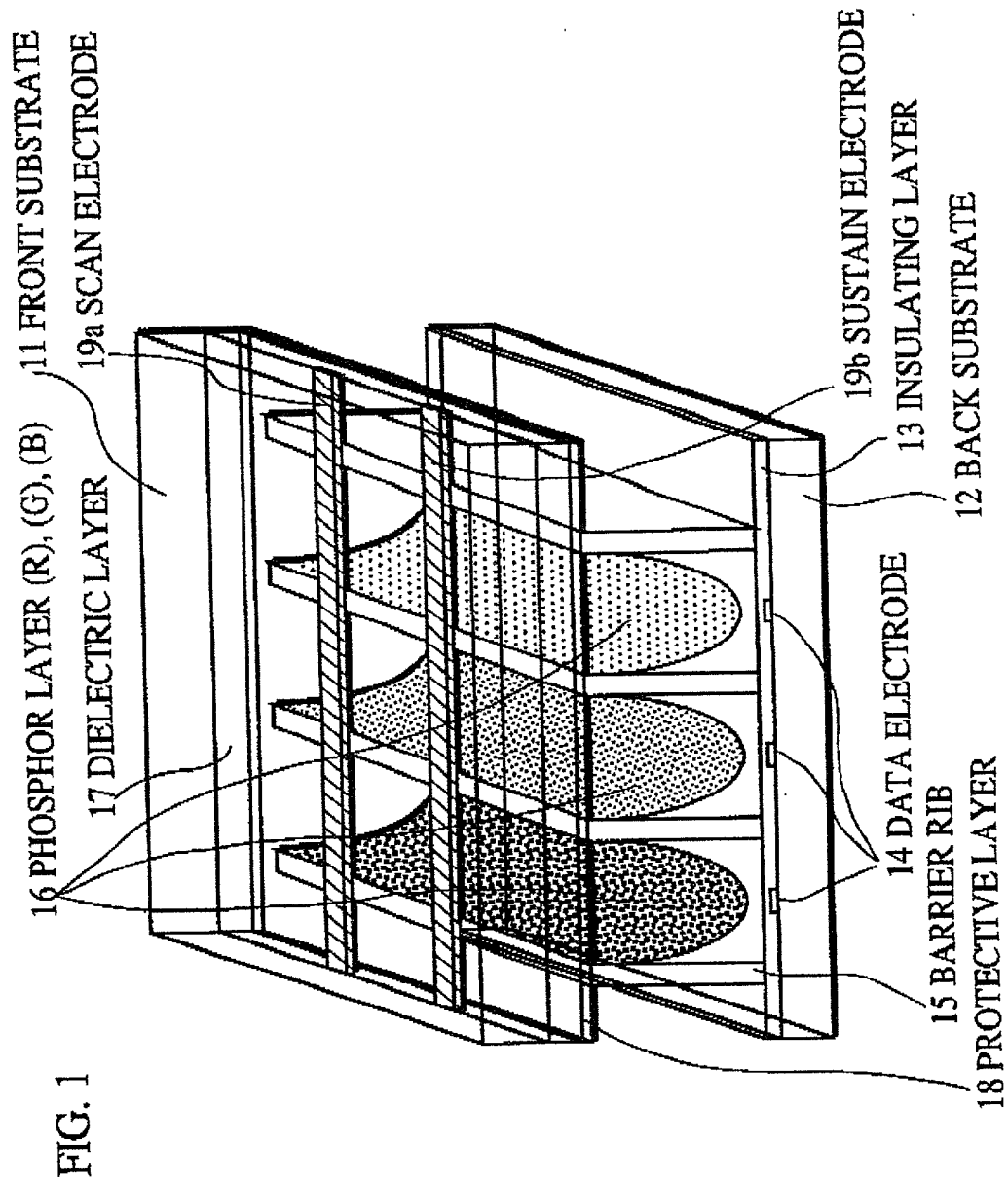


FIG. 2

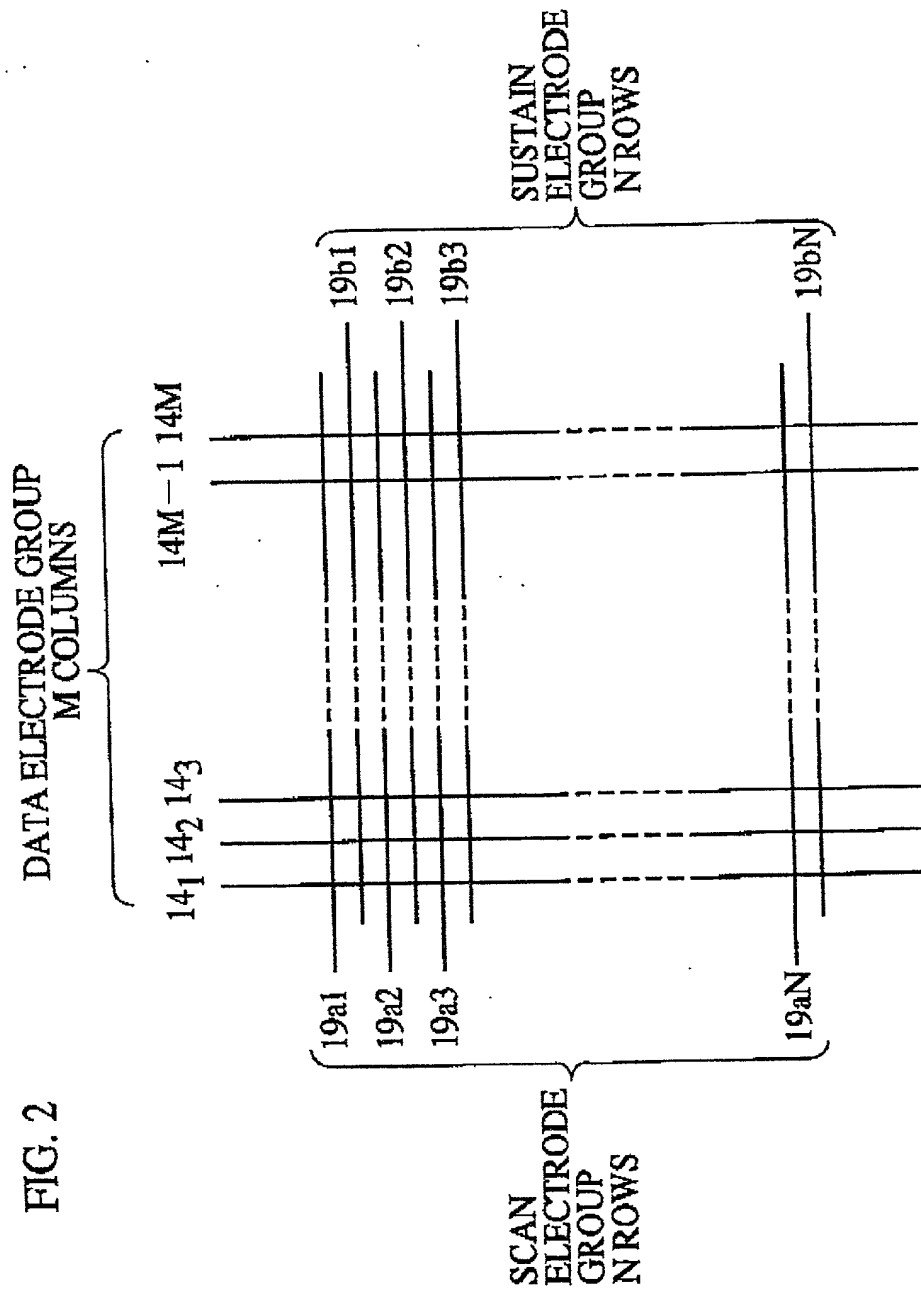


FIG. 3

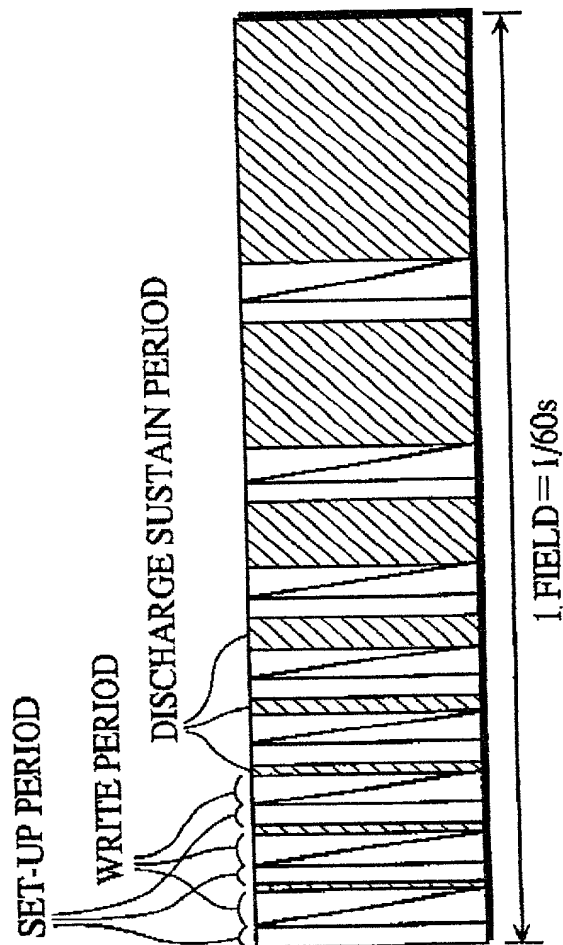


FIG. 4

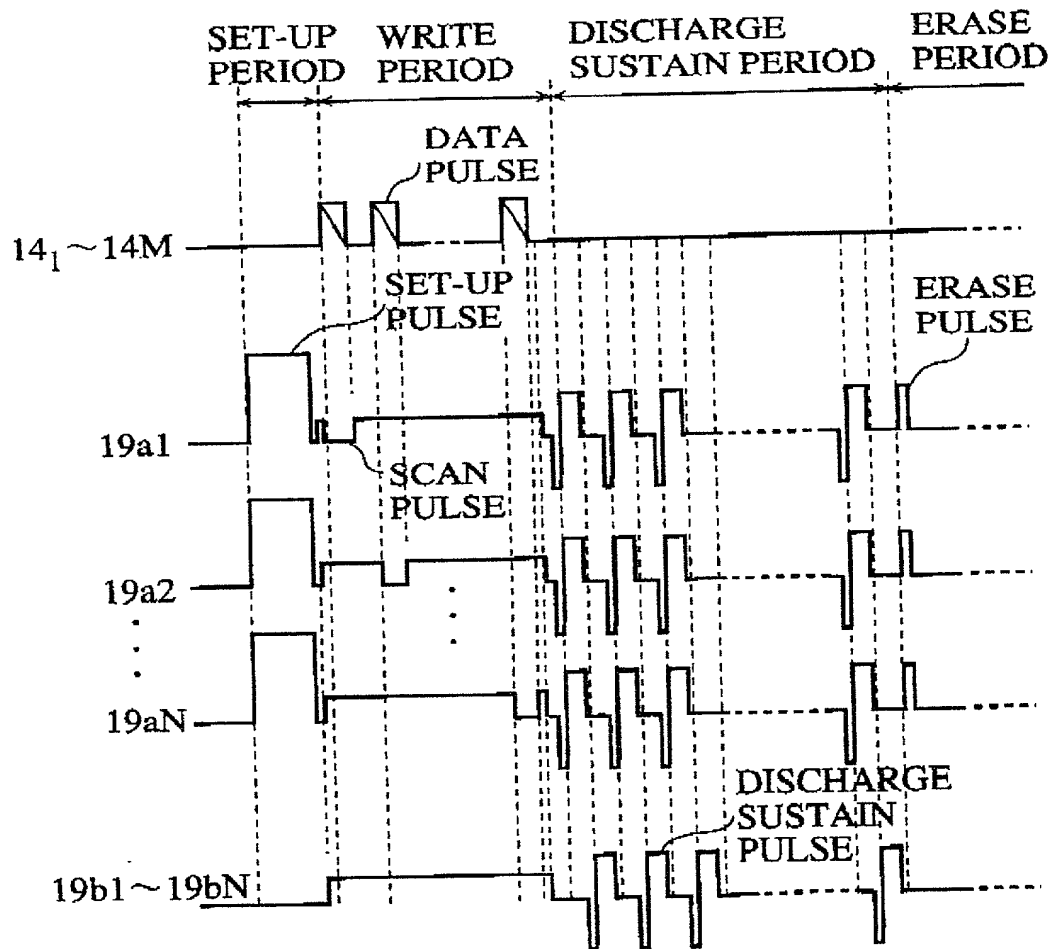


FIG. 5

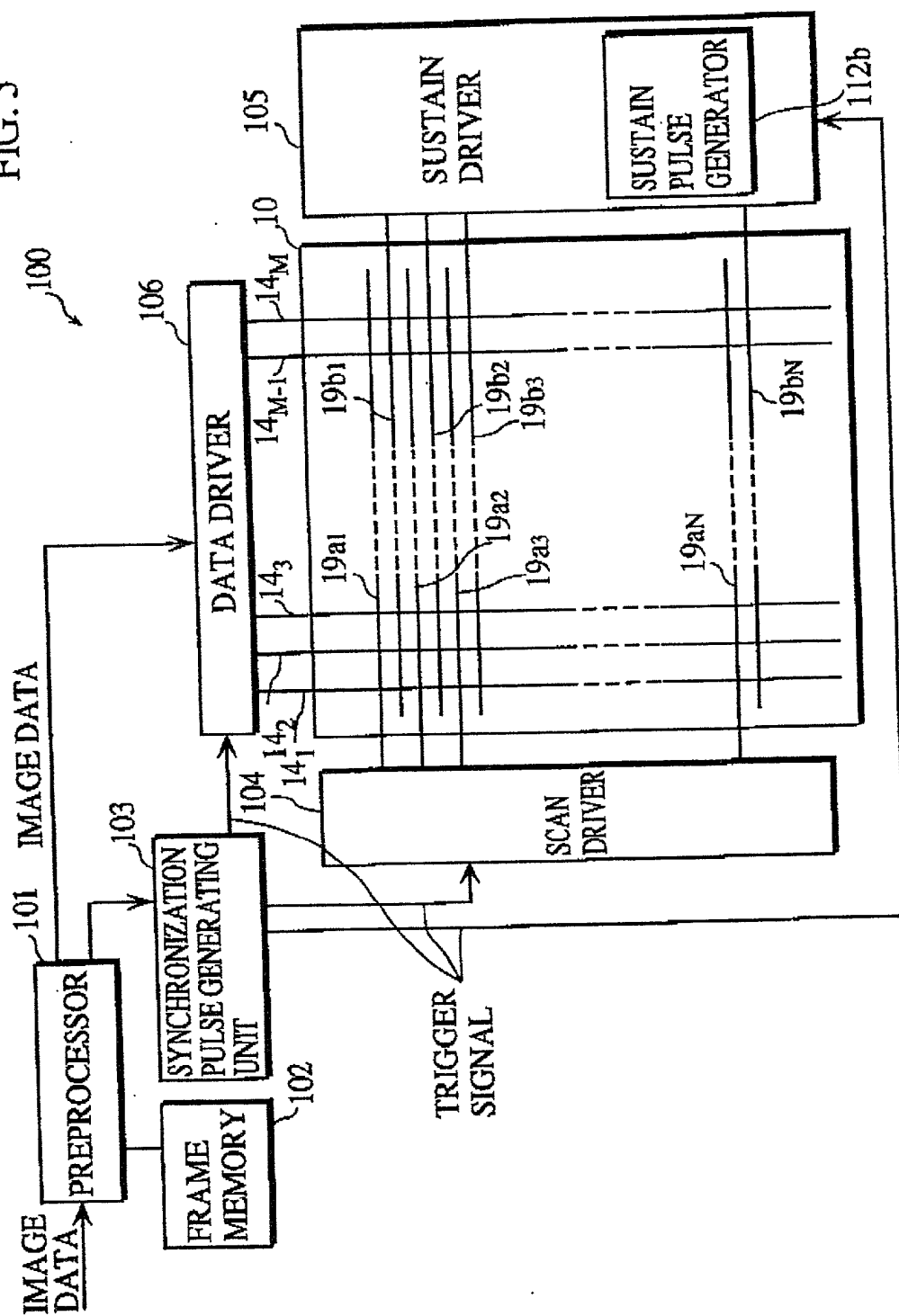




FIG. 6.

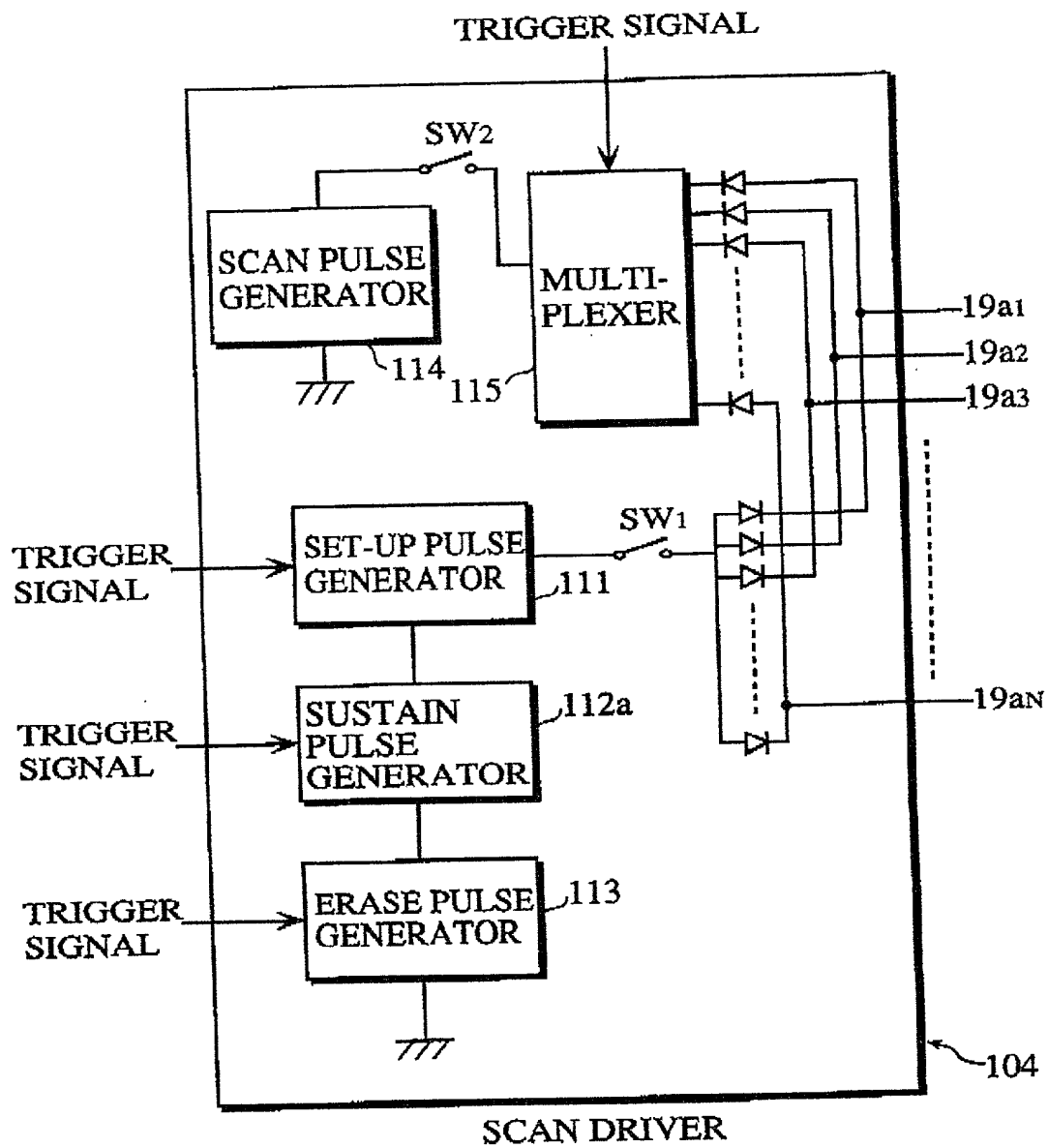


FIG. 7

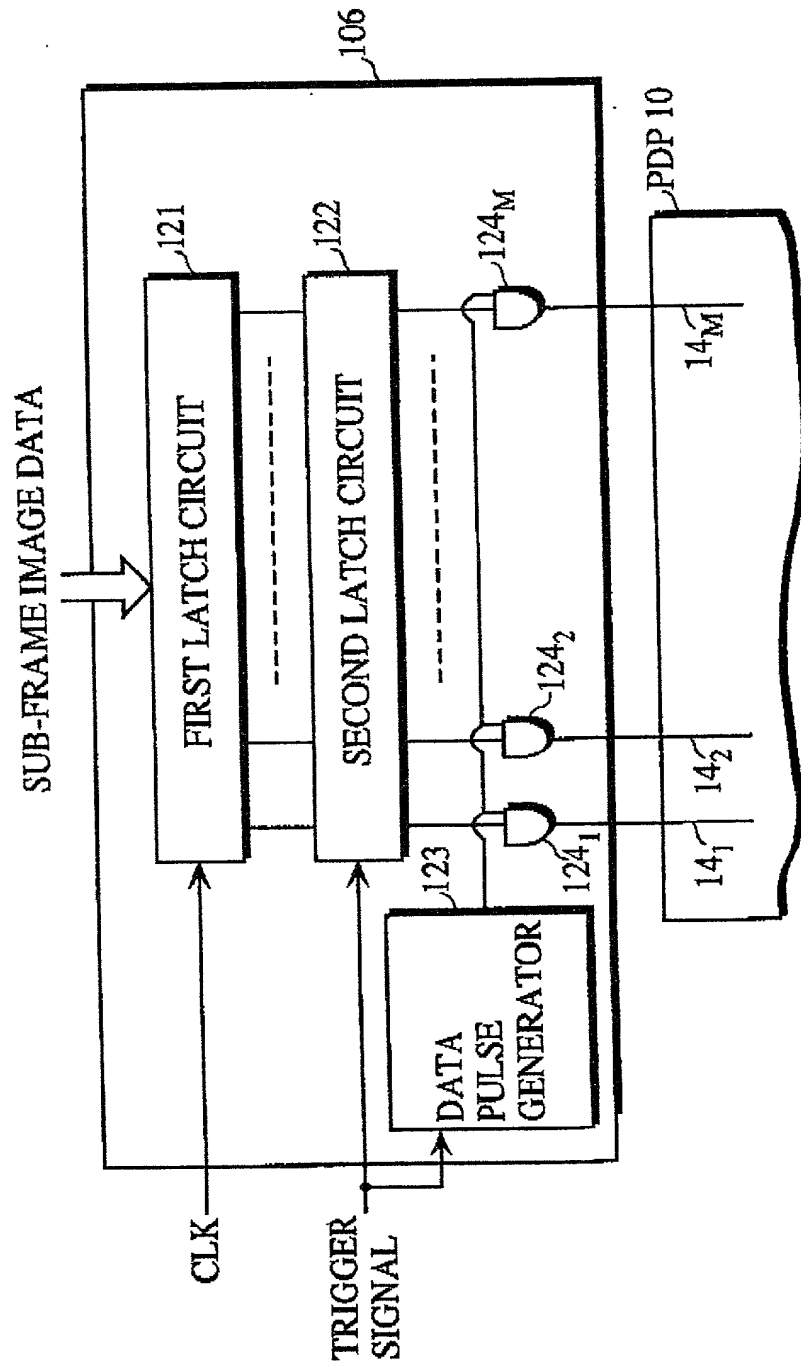


FIG. 8A

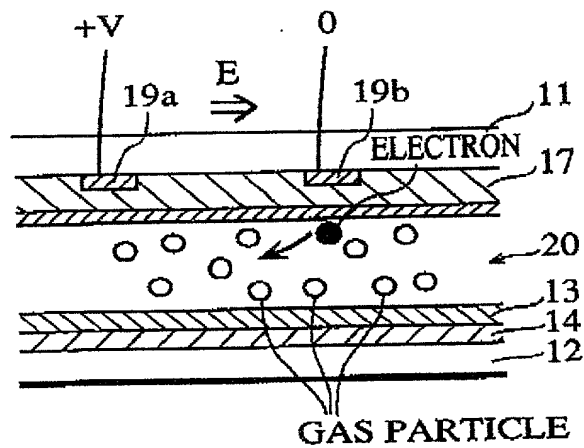


FIG. 8B

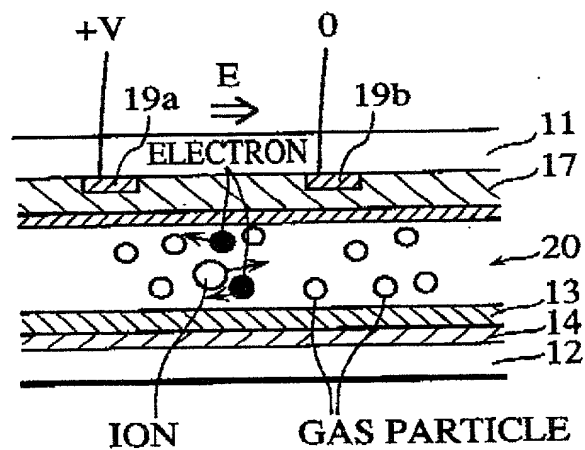


FIG. 9A

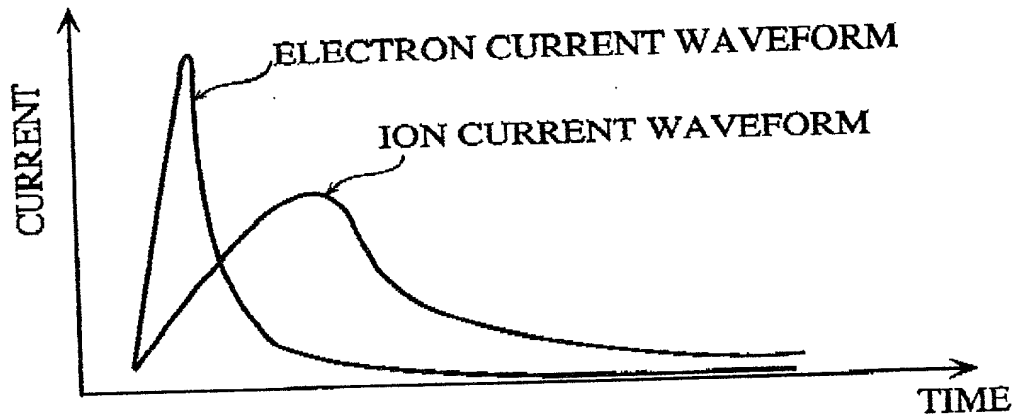


FIG. 9B

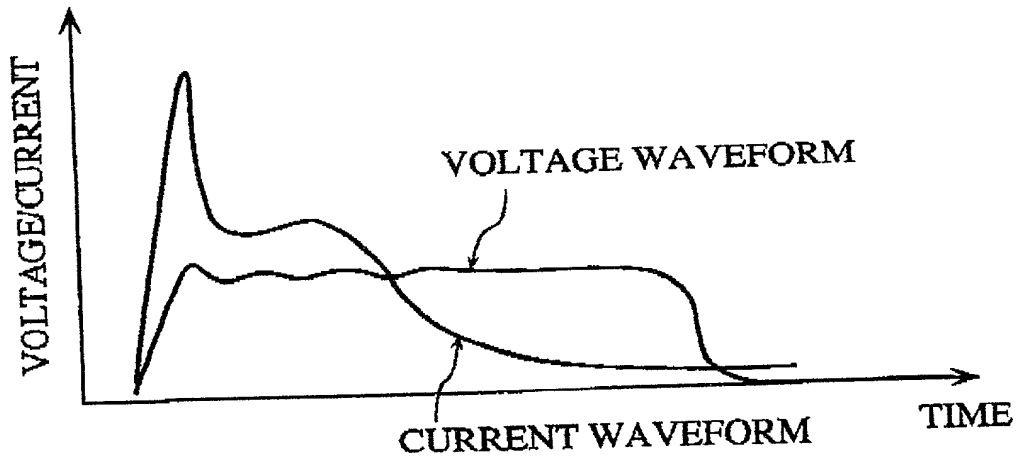


FIG. 9C

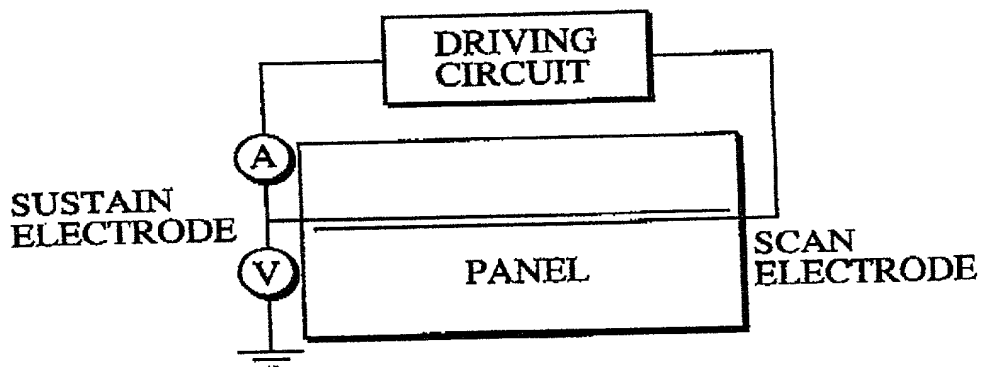


FIG. 10A

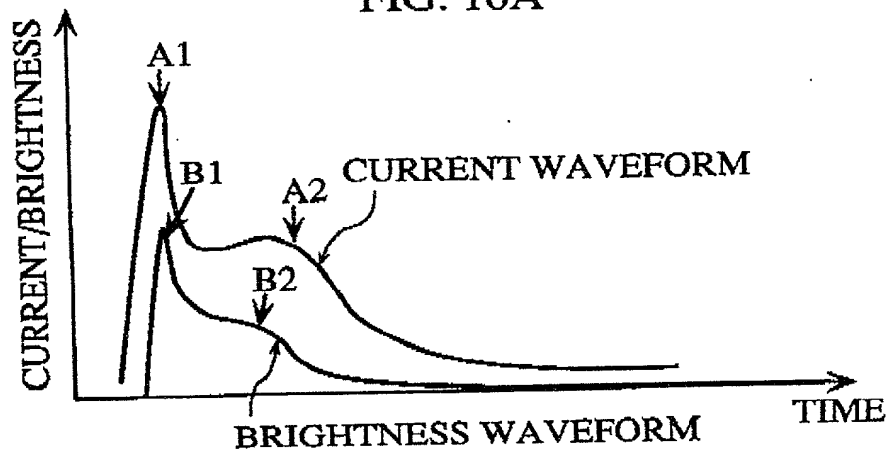


FIG. 10B

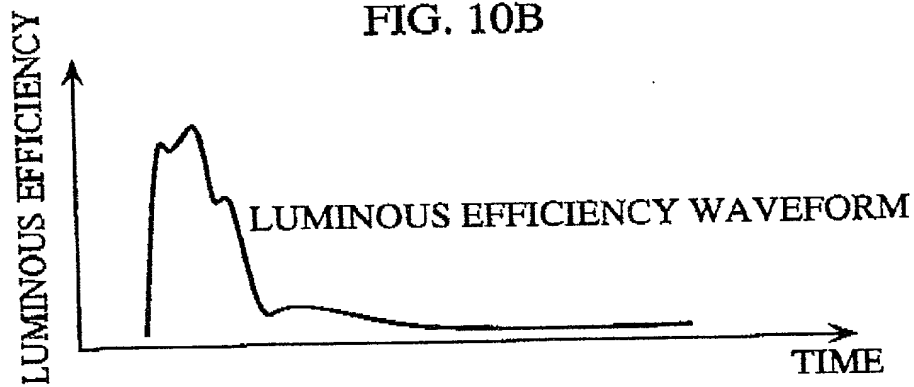


FIG. 10C

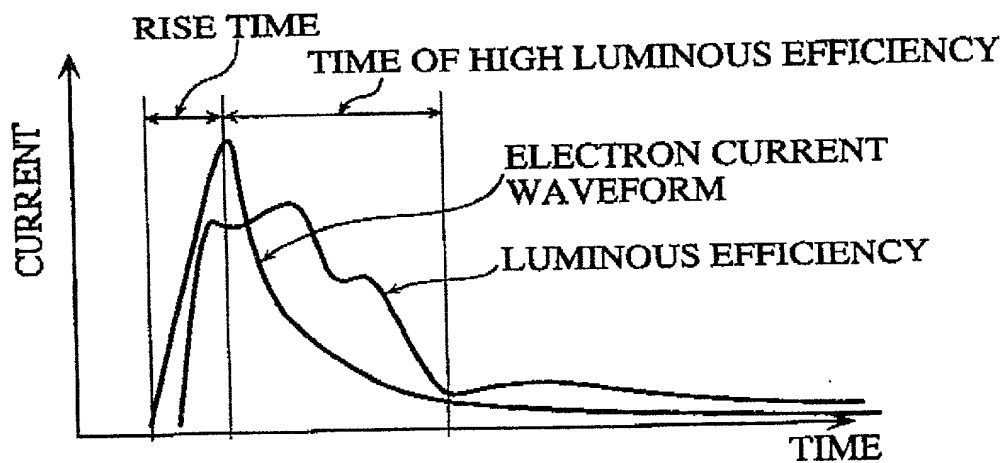


FIG. 11A

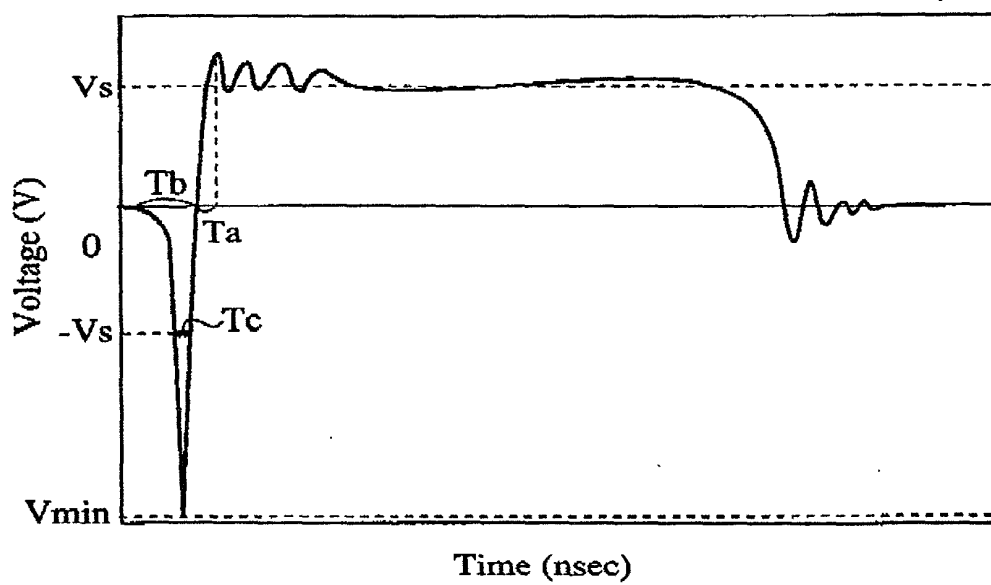


FIG. 11B

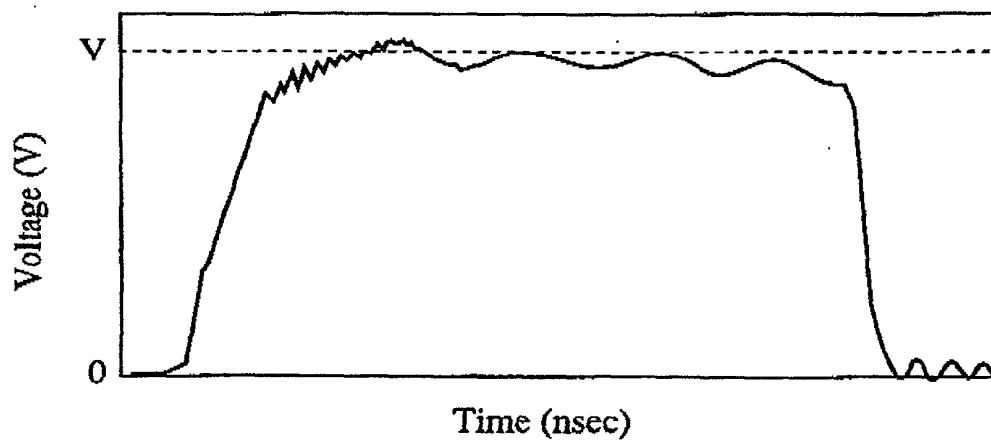


FIG. 12A

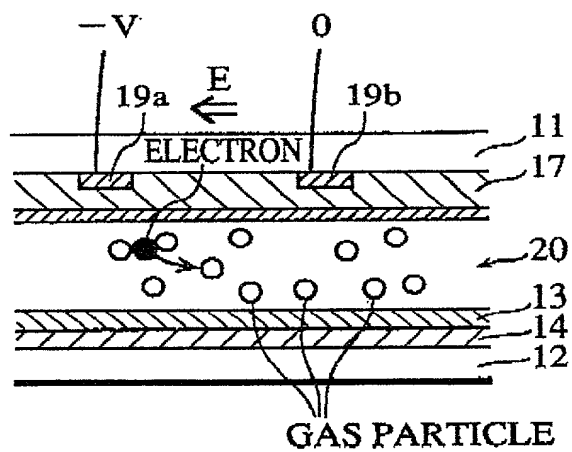


FIG. 12B

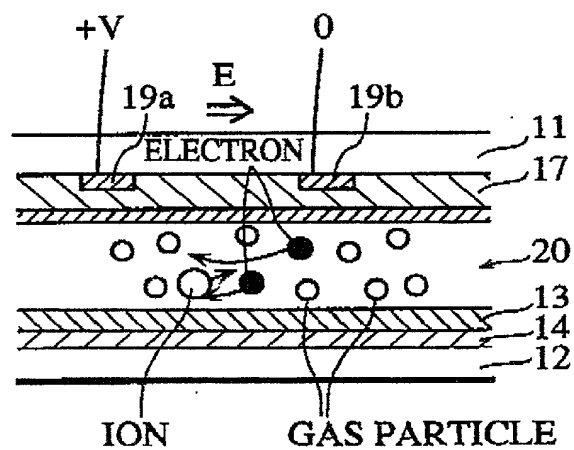


FIG. 13

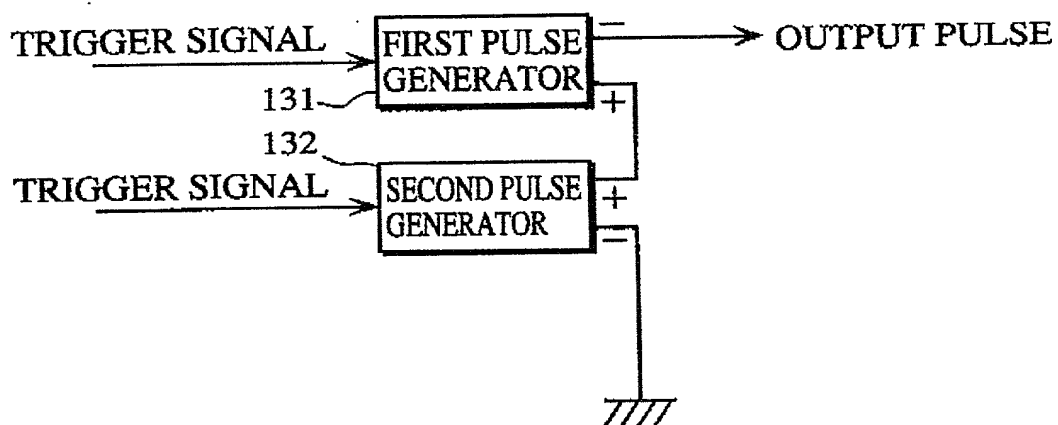


FIG. 14

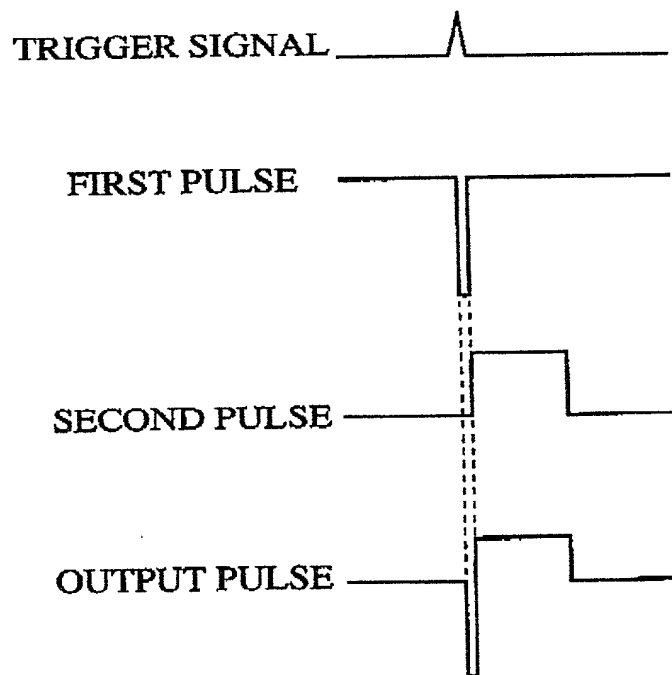




FIG. 15

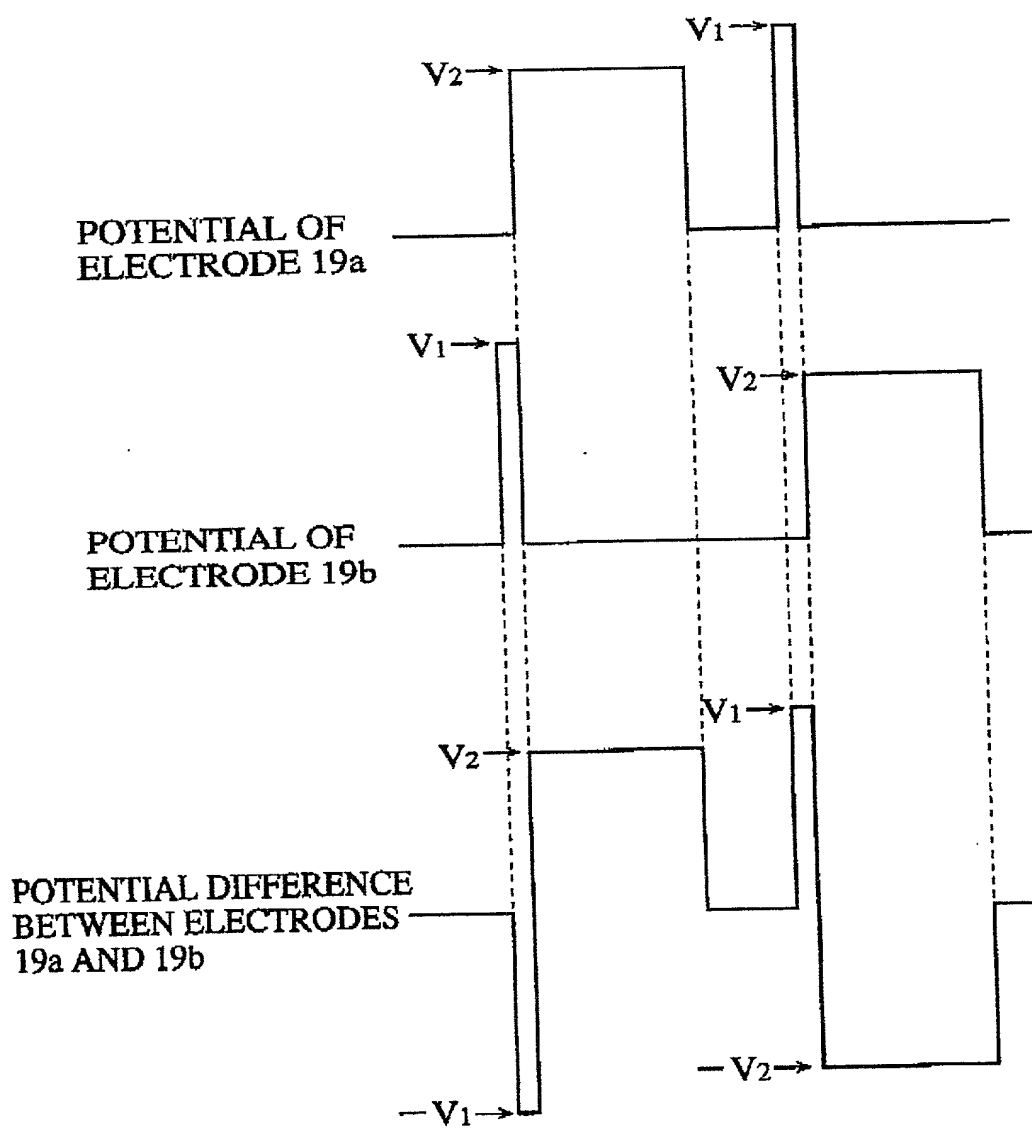


FIG. 16

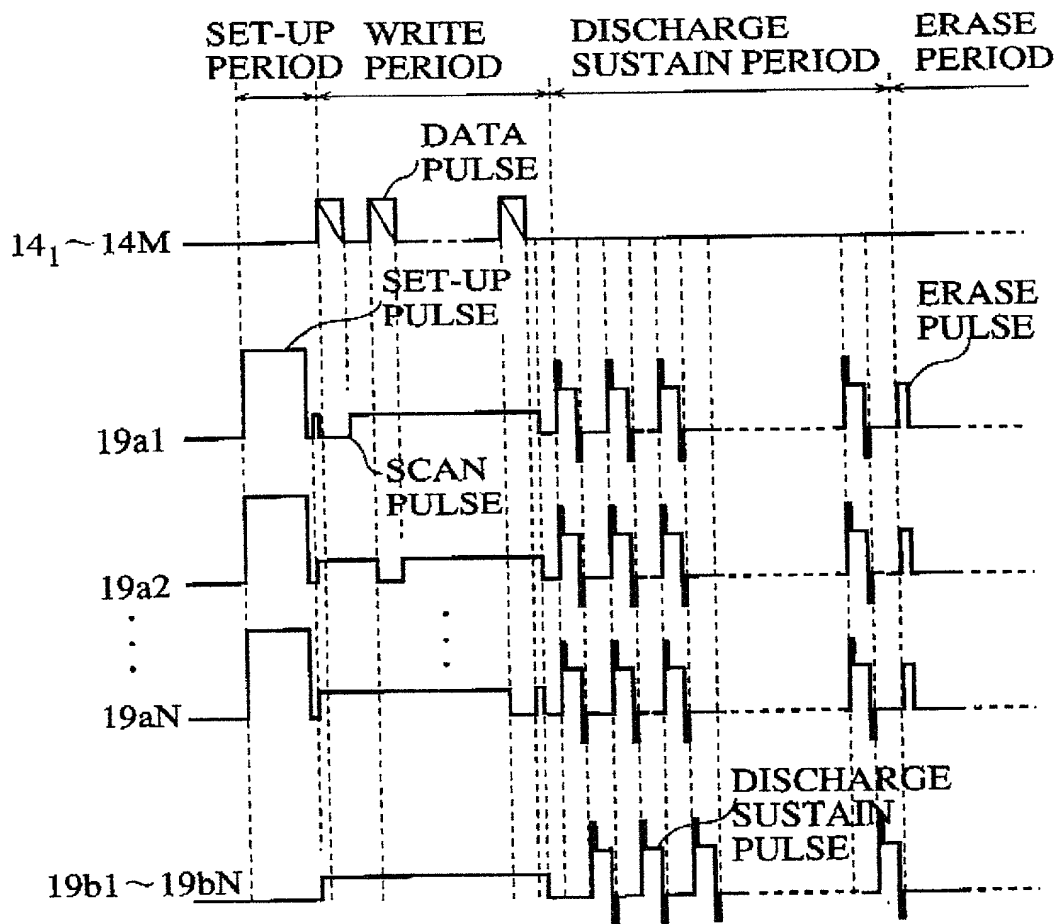


FIG. 17A

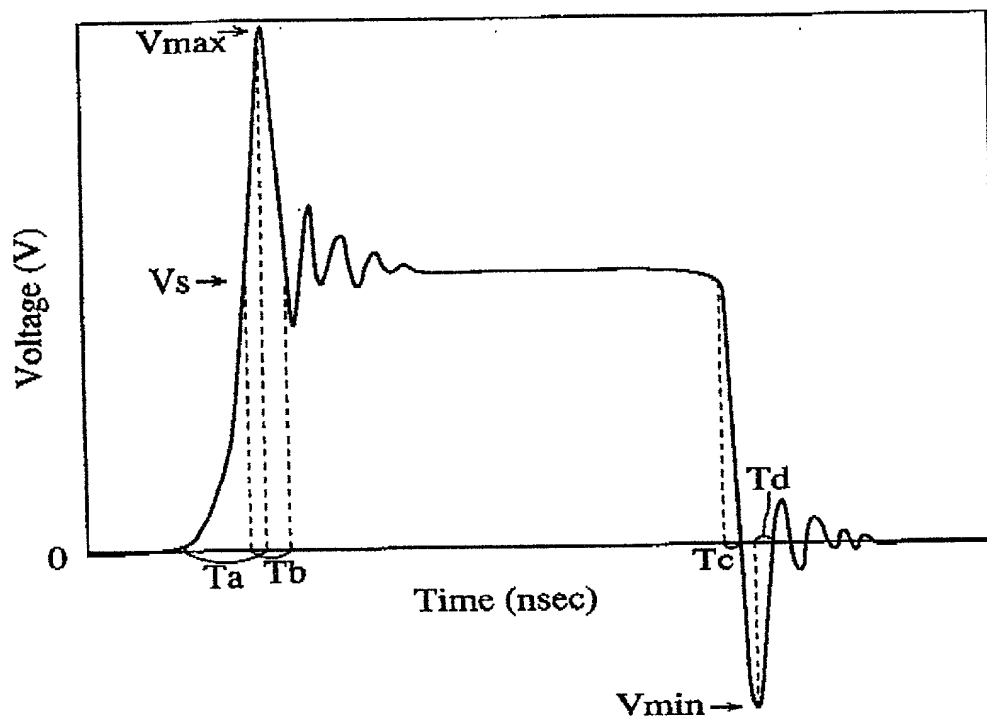


FIG. 17B

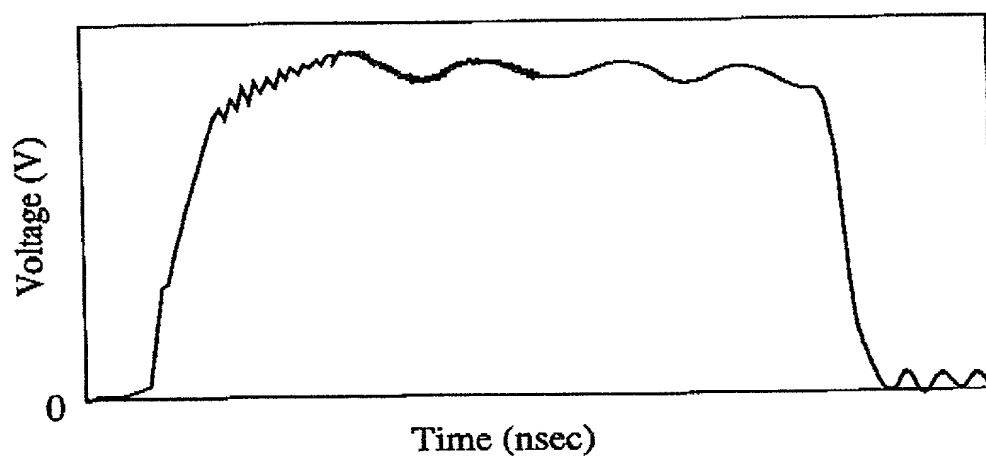


FIG. 18A

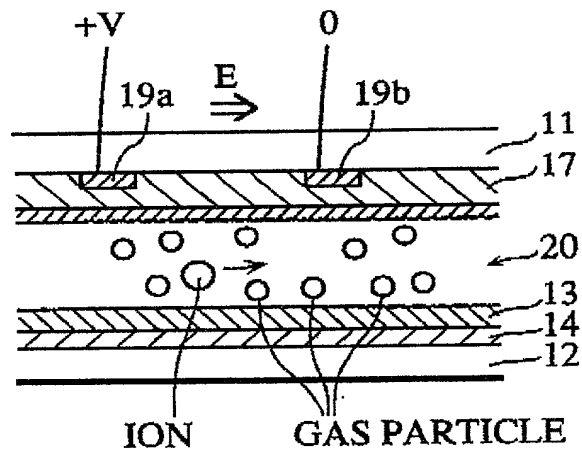


FIG. 18B

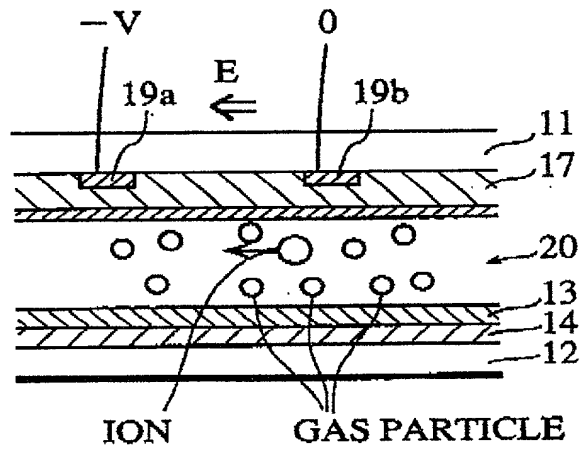


FIG. 19

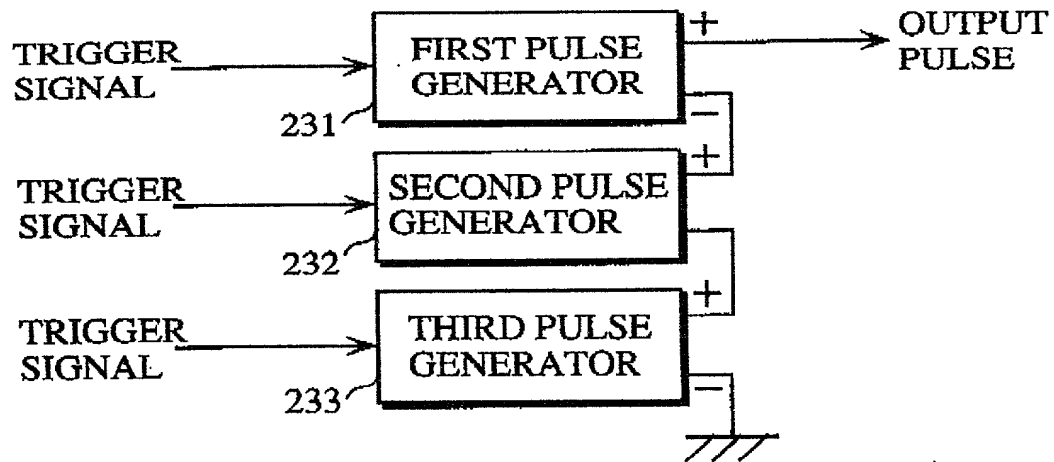


FIG. 20

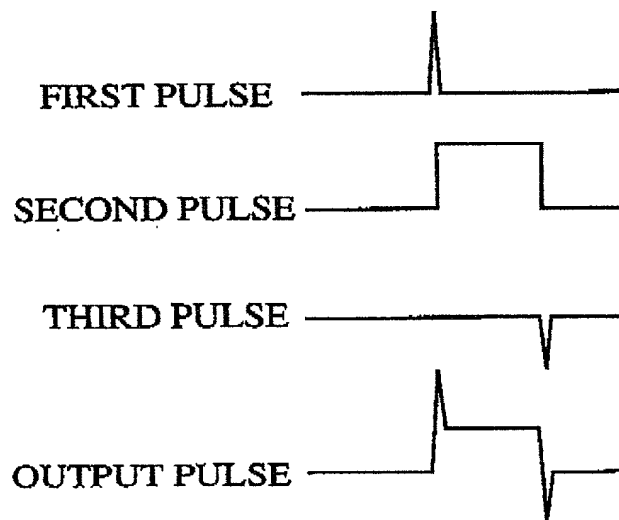
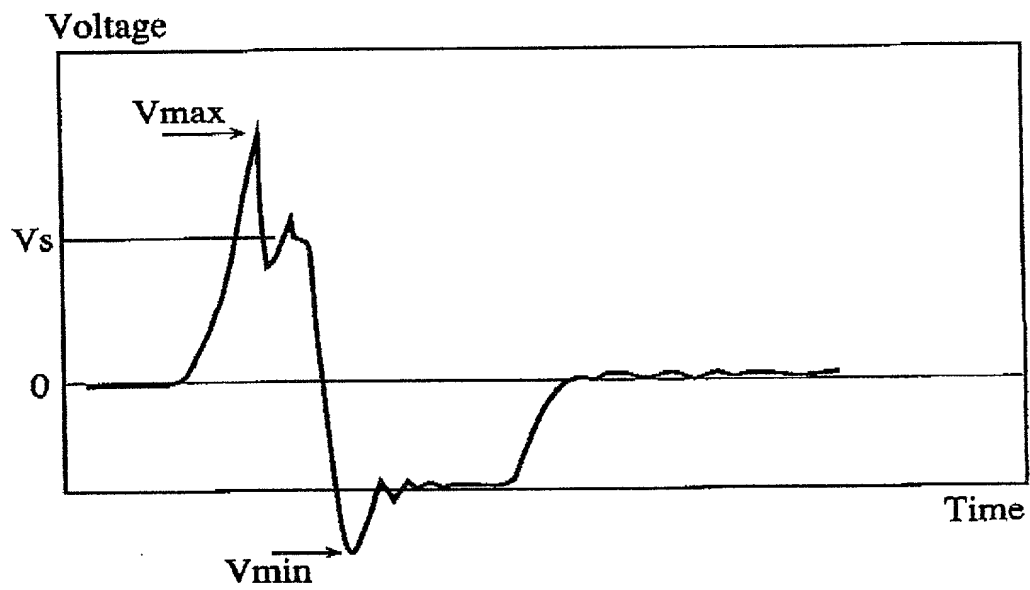


FIG. 21



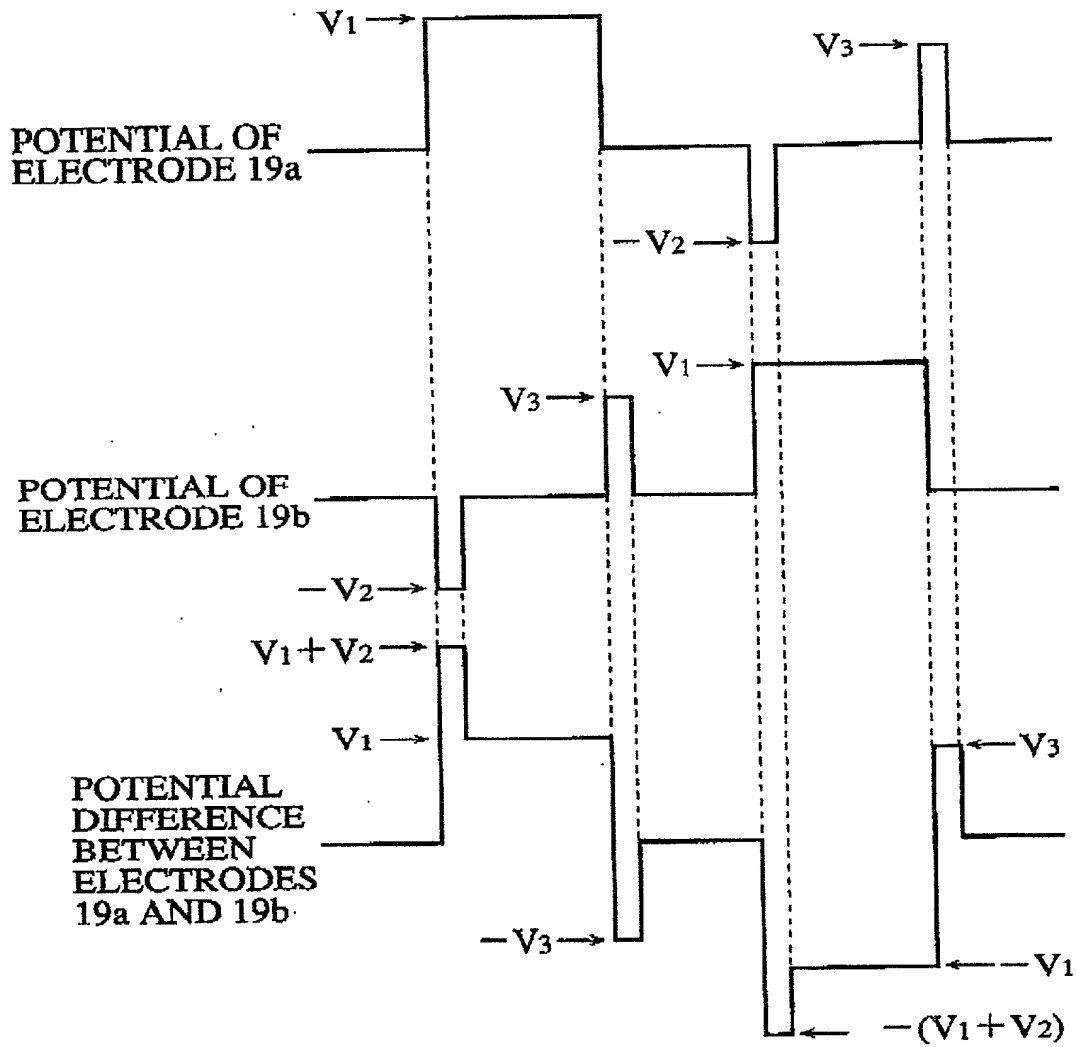
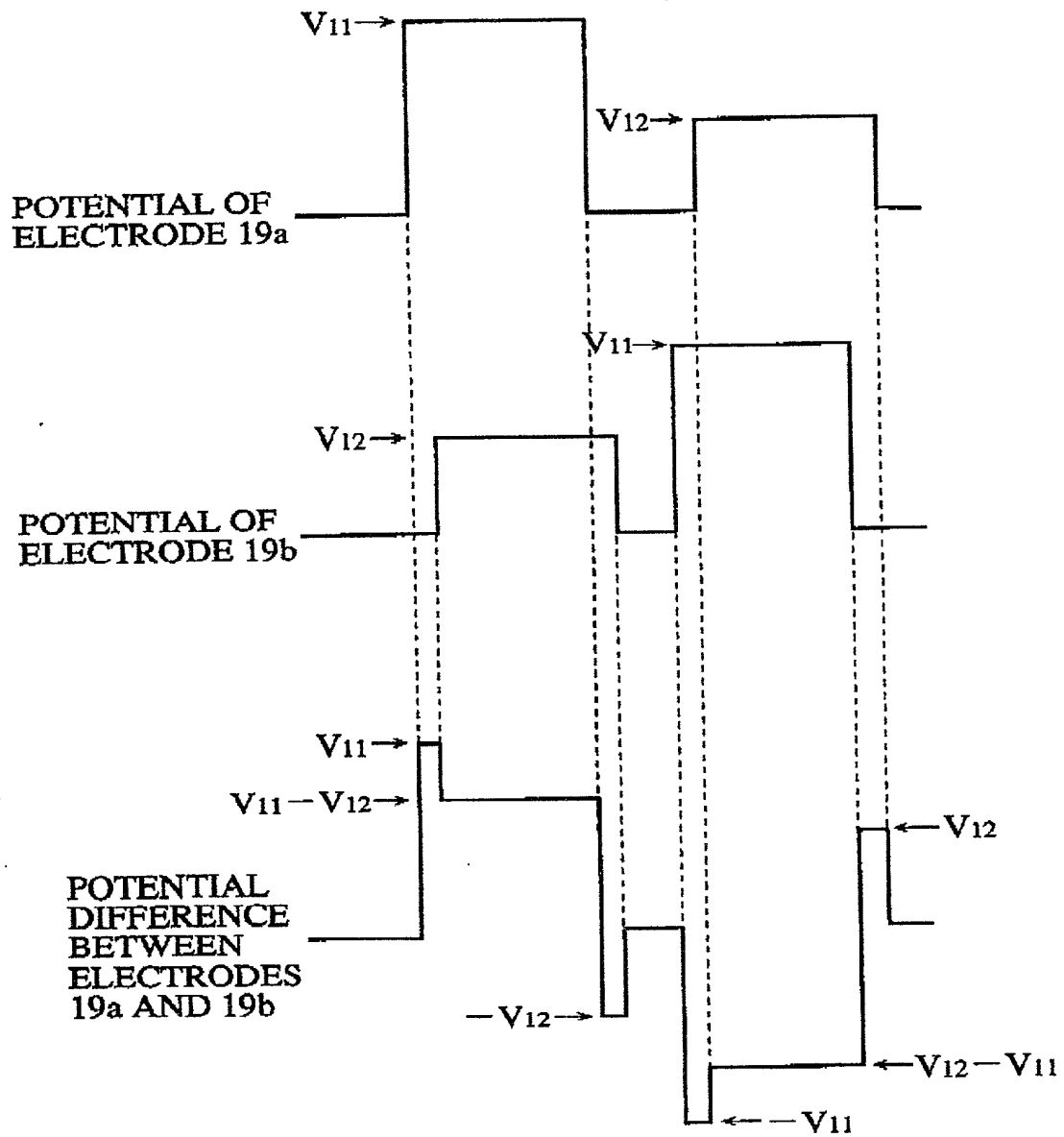
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FIG. 23





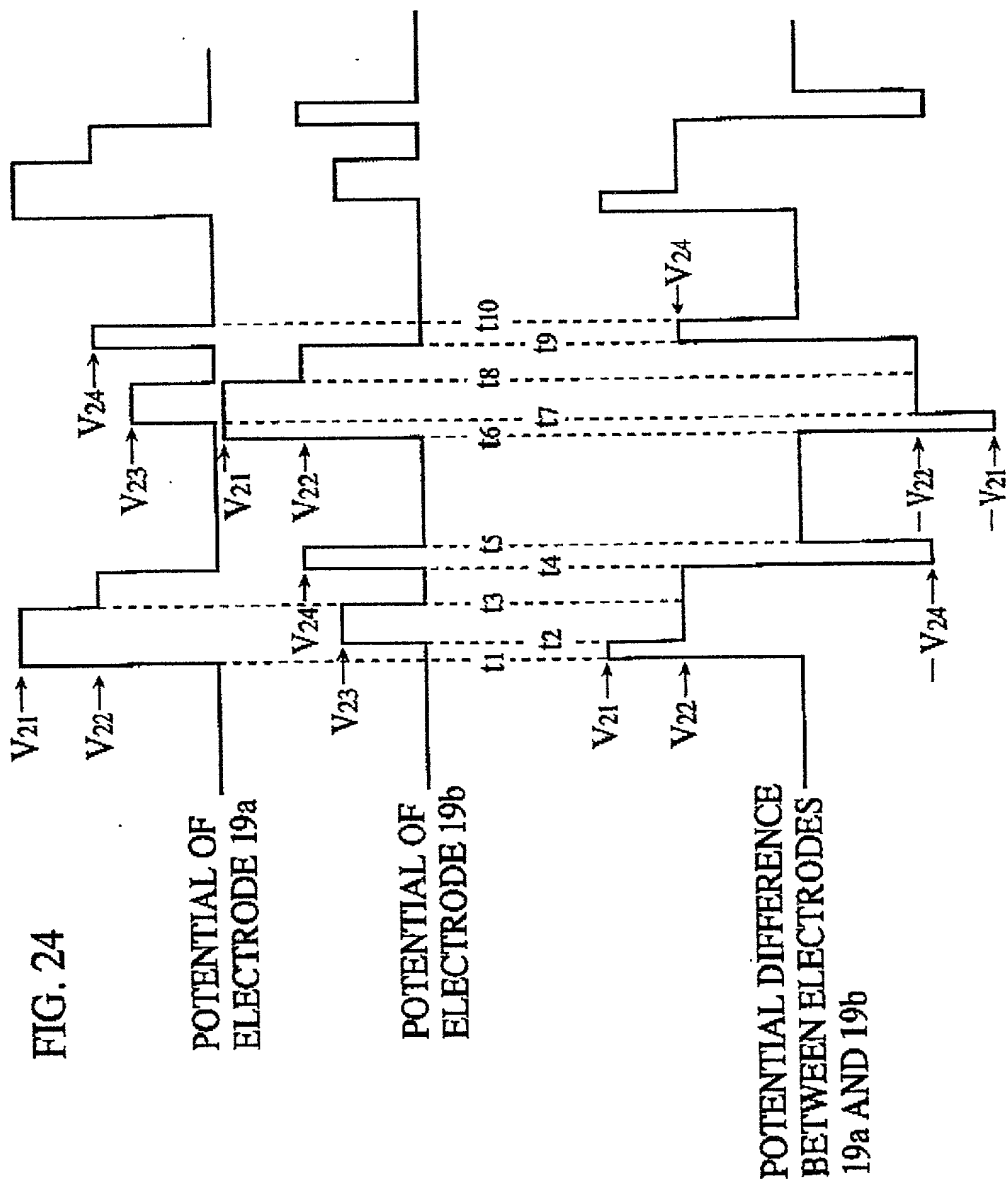


FIG. 25

